

ABSTRACT

A compressor has an electric motor element section (15) having a rotor (25) and a stator (26) provided on the outer peripheral side of the rotor (25). An oil separation plate (2) is installed on the upper end surface of the rotor (25) with an end plate (1) in between. The end plate (1) is provided with a projection (3). Through-holes (4) in which the projection (3) is fitted are provided in the oil separation plate (2) as a separate plate member installed on the end plate (1). Portions of the projection (3) that projects from the through holes (4) of the oil separation plate (2) are crushed to integrate the oil separation plate (2) and the end plate (1). A recess (5) is provided in the upper face of the projection (3), and the recess (5) allows deformation, at the time of the crush, of the projecting portions of the projection (3). The structure above enables the oil separation plate to be reliably installed on the rotor side so as not to come off, providing a highly reliable compressor having a function of positively separating lubrication oil and a refrigerant gas. Also provided is a plate installation method with which a separate plate member can be reliably installed on a supporting base plate.